

**MMP21 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7497c****Specification**

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**MMP21 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q8N119](#)**MMP21 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 118856**Other Names**

Matrix metalloproteinase-21, MMP-21, 3424-, MMP21

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP7497c](/products/AP7497c) was selected from the Center region of human MMP21. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**MMP21 Antibody (Center) Blocking Peptide - Protein Information****Name** MMP21**Function**

Plays a specialized role in the generation of left-right asymmetry during embryogenesis. May act as a negative regulator of the NOTCH-signaling pathway (PubMed: [26429889](http://www.uniprot.org/citations/26429889), PubMed: [26437028](http://www.uniprot.org/citations/26437028)). Cleaves alpha-1-antitrypsin (PubMed: [12617721](http://www.uniprot.org/citations/12617721)).

**Cellular Location**

Secreted.

**Tissue Location**

Identified in fetal brain, kidney and liver. In adult tissues found primarily in ovary, kidney, liver,

lung, placenta, brain and peripheral blood leukocytes. Expressed as well in various cancer cell lines.

### **MMP21 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **MMP21 Antibody (Center) Blocking Peptide - Images**

### **MMP21 Antibody (Center) Blocking Peptide - Background**

MMP21 encodes a member of the matrix metalloproteinase family. Proteins in this family are involved in the breakdown of extracellular matrix for both normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, and disease processes, such as asthma and metastasis. The protein may play an important role in embryogenesis, particularly in neuronal cells, as well as in lymphocyte development and survival.

### **MMP21 Antibody (Center) Blocking Peptide - References**

Skoog,T., Elomaa,O. J. Invest. Dermatol. 129 (1), 119-130 (2009) Qiu,W., Zhou,G. Cancer Epidemiol. Biomarkers Prev. 17 (9), 2514-2518 (2008) Bister,V., Skoog,T. Mod. Pathol. 20 (11), 1128-1140 (2007) Skoog,T., Ahokas,K. Exp. Dermatol. 15 (10), 775-783 (2006)